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10/069,592

07/16/2002

Kenichi Ajiki

2002_0229A

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03/31/2003

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EXAMINER

MAYO III, WILLIAM H

ART UNIT

PAPER NUMBER

2831

DATE MAILED: 03/31/2003

7

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/069,592

Applicant(s)

AJIKI, KENICHI

Examiner

William H. Mayo III

Art Unit

2831

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 July 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). ____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6. 6) ☐ Other:

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in National Application No. PCT/JP01/05628, filed on June 29, 2001.

Information Disclosure Statement

2. The information disclosure statement filed July 16, 2002 has been submitted for consideration by the Office. It has been placed in the application file and the information referred to therein has been considered.

Drawings

3. The drawings are objected to because Figures 1 & 6 lacks the proper cross hatching which indicates the type of materials, which may be in an invention. Specifically, the cross hatching to indicate the conductor and insulation materials is incorrect. The applicant should refer to MPEP Section 608.02 for the proper cross hatching.

4. Figures 5-7 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Art Unit: 2831

5. Applicant is required to submit a proposed drawing correction in reply to this Office action. However, formal correction of the noted defect may be deferred until after the examiner has considered the proposed drawing correction. Failure to timely submit the proposed drawing correction will result in the abandonment of the application.

Correction is required.

Specification

6. Applicant is reminded of the proper content of an abstract of the disclosure.

A patent abstract is a concise statement of the technical disclosure of the patent and should include that which is new in the art to which the invention pertains. If the patent is of a basic nature, the entire technical disclosure may be new in the art, and the abstract should be directed to the entire disclosure. If the patent is in the nature of an improvement in an old apparatus, process, product, or composition, the abstract should include the technical disclosure of the improvement. In certain patents, particularly those for compounds and compositions, wherein the process for making and/or the use thereof are not obvious, the abstract should set forth a process for making and/or use thereof. If the new technical disclosure involves modifications or alternatives, the abstract should mention by way of example the preferred modification or alternative.

The abstract should not refer to purported merits or speculative applications of the invention and should not compare the invention with the prior art.

Where applicable, the abstract should include the following:

- (1) if a machine or apparatus, its organization and operation;
- (2) if an article, its method of making;
- (3) if a chemical compound, its identity and use;
- (4) if a mixture, its ingredients;
- (5) if a process, the steps.

Extensive mechanical and design details of apparatus should not be given.

7. Applicant is reminded of the proper language and format for an abstract of the disclosure.

Art Unit: 2831

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

8. The abstract of the disclosure is objected to because in line 9 it contains the term "comprising", which is improper language for the abstract. The applicant should replace the term with --having--. Also, in lines 5-6, the abstract refers to purported merits or speculative applications of the invention, which is improper content for the abstract. The applicant should delete the lines from the abstract. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

10. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Applicant's Own Admission of Prior Art (herein referred to as AOAPA). AOAPA discloses a conventional insulated wire (Figs 5-7) for usage with electronic application devices (see applicant's description of prior art on pages 1-3). Specifically, with respect

Art Unit: 2831

to claim 1, AOAPA discloses an enameled wire (Fig 6) comprising a core wire (1b) made of copper (page 1, paragraph 5 of applicant's specification), an insulating coated layer (1c) covering the core wire (1b), a melting layer (1d) covering the insulating coated layer (1c), wherein the insulating coated layer (1c) is formed of a material that absorbs a laser beam (page 2, paragraph 8 & 10). With respect to claim 2, AOAPA discloses that the material (1c) absorbing the laser beam is a colored resin (Fig 6). With respect to claim 3, AOAPA discloses that the material is colored with a dye or pigment (Fig 6). With respect to claim 3, AOAPA discloses that the melting layer (1d) softens or melts by heat (see page 2, paragraph 6). With respect to claim 4, AOAPA discloses that the melting layer (1d) is transparent (Fig 6). With respect to claim 7, AOAPA discloses a method of soldering a enameled wire (1) comprising the steps of irradiating a laser beam to an enameled wire (1) comprising a core wire (1b) made of copper (page 1, paragraph 5 of applicant's specification), an insulating coated layer (1c) covering the core wire (1b), a melting layer (1d) covering the insulating coated layer (1c), wherein the insulating coated layer (1c) is formed of a material that absorbs a laser beam (page 2, paragraph 8 & 10), stripping at least a part of the insulating coating (1c) by a laser beam (page 2 paragraphs 10-11) and soldering the core wire (1b) to a soldering portion (4) by a laser beam (pages 2-3, paragraph 12). With respect to claim 8, AOAPA discloses a method wherein the soldering portion has the same shape of the laser beam spot (Fig 7). With respect to claim 9, AOAPA discloses a method wherein the soldering portion has the same shape of the laser beam (Fig 7). With respect to claim 10, AOAPA discloses a method wherein a step of providing an empty space underneath the

Art Unit: 2831

soldering portion of a soldering land (Fig 7). With respect to claim 11, AOAPA discloses an electro-acoustic transducer (Fig 5) comprising a plate (3) having a center pole (2), a coil (1a) disposed on the plate (3) wherein the coil (1a) is formed of an enameled wire (Fig 6) comprising a core wire (1b) made of copper (page 1, paragraph 5 of applicant's specification), an insulating coated layer (1c) covering the core wire (1b), a melting layer (1d) covering the insulating coated layer (1c), wherein the insulating coated layer (1c) is formed of a material that absorbs a laser beam (page 2, paragraph 8 & 10), a terminal (4) for connection with the enamel wire (1) molded with a resin with at least a soldering portion exposed outside (page 1, paragraph 4), a magnet (5) fixed to the plate (3), a diaphragm (6) disposed above the magnet (5) with a space to the center pole (2) which has to have a magnetic material disposed, and a resin body (7) having an empty space in at least a part underneath the soldering portion of the terminal (Fig 5).

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. They are Dommer et al (Pat Num 4,631,237) and Tominaga et al (Pat Num 4,686,153) and 4,631,237), both of which disclose enameled wires.

Communication

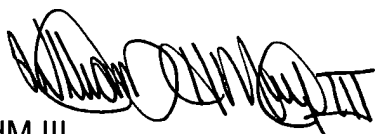
12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Mayo III whose telephone number is (703)

Art Unit: 2831

306-9061. The examiner can normally be reached on M-F 8:30am-6:00 pm (alternate Fridays off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on (703) 308-3682. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3432 for regular communications and (703) 305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

A handwritten signature in black ink, appearing to read 'William III', with a stylized flourish at the end.

WHM III
March 23, 2003